



AUG 06 2002

Sheet 1 of 8

<p>Form PTO-1449</p> <p><b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b></p> <p>(Use several sheets if necessary)</p>	 <p>Docket Number (Optional)</p> <p>03761.012/5061.8</p>	<p>Application Number</p> <p>10/072,613</p>
<p>Applicant Cao</p>		
<p>Filing Date 02/05/02</p>		<p>Group Art Unit 2875</p>

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

## **OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

*PL* Guido Goracci, Giovanni Mori, Luca Casa da Martins, "Curing light intensity and marginal leakage of resin composites restorations", Quintessence International, volume 27, number 5/1995 (8 pages)

*J* Hiromasa Kato, "Relationship between the velocity of polymerization and adaptation to dental cavity wall of light cured composites", Dental materials journal 6(1):32-37 (1987) (8 pages)

*↓* Uno, S., Asmussen, E., "Selected variables in bonding to dentin", Scand. J. Dent. Res. 1992: 100: 130-3 (2 pages)

*PL* G.L. Unterbrink and R. Muessner, "Influence of light intensity on two restorative systems", J. Dent., vol. 23, no. 3, pp. 183-189 (1995) (7 pages).

EXAMINER	R. L. M.	DATE CONSIDERED	5/9/2005
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**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

AUG 8 2002

Sheet 2 of 8

<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <small>(Use several sheets if necessary)</small>		Docket Number (Optional)  <b>03761.012/5061.8</b>	Application Number  <b>10/072,613</b>
		Applicant Cao	
		Filing Date <b>02/05/02</b>	Group Art Unit <b>2875</b>

**U.S. PATENT APPLICATIONS**

EXAMINER INITIAL	SERIAL NUMBER	FILING DATE	TITLE	INVENTOR	
RL	10/080,489	February 22, 2002	Light-Curing Device with Detachably Interconnecting Light Application	Dan E. Fischer, DDS Bruce S. McLean	
	10/088,397	February 3, 2002	Curing Light with Plurality of LED's and Corresponding Lenses	Dan E. Fischer, DDS Bruce S. McLean	
	10/088,103	February 5, 2002	Lightweight Hand Held Dental Curing Devices	Dan E. Fischer, DDS Bruce S. McLean	
U	10/044,346	January 11, 2002	Optical Lens Used to Focus LED Light	Bruce S. McLean Vasily Nosov	
RL	10/024,110	December 17, 2001	Heat Sink with Geometric Arrangement of LED Surfaces	Robert R. Scott	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

RL Email from Jens Jenkins [Jjenkins@wnspat.com] to Dan McCarthy Re: Pending Application Information dated Wednesday, April 03, 2002 (2 pages) and listing 5 pending U.S. patent applications.

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EXAMINER	DATE CONSIDERED
<i>RL</i>	<i>5/9/2005</i>

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AUG 06 2002

Sheet 3 of 8

 <p><b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b></p> <p>(Use several sheets if necessary)</p>	Docket Number (Optional)	Application Number
	03761.012/5061.8	10/072, 613
	Applicant Cac	
	Filing Date 02/05/02	Group Art Unit 2875

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J						

## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>PL</i>	DE 25 57 920 B2	3/20/1980	Germany	A61C 5/04			x
	DE 29 27 260 A1	2/28/1980	Germany	A61N 5/06			x
<i>↓</i>	1 570 507	12/8/1976	Great Britain	A61N 5/06		x	
<i>PL</i>	0 339 841 B1	2/11/1989	European Patent Specification	C08F 2/50		x	

## **OTHER DOCUMENTS** Including Author, Title, Date, Pertinent Pages, Etc.

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AUG 06 2002



Sheet 4 of 8

Form PTO-1449

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

03761.012/5061.8

Application Number

10/672,613

Applicant

Cao

Filing Date 02/05/02

Group Art Unit 2875

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

### OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>RL</i>	A. Mehl, H. Staunau, D. Schreyer, K.H. Kunzelmann, R. Hickel, LMU University Dental School, D-80336 Munich Germany, 1 page abstract, Journal of Dental Research, vol. 74, 1995, special issue p. 462.
<i>LL</i>	Sakaguchi and Berge, "Light Intensity Effects on Degree of Cure Posterior Composite", #1972, IADR 1997 (4 pages).
	Shigero Uno and Erik Asmussen, "Marginal Adaptation of A Restorative Resin Polymerized At A Reduced Rate" (5 pages).
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<i>V</i>	A. Mehl, R. Hickel, K.H. Kunzelmann, Dental School Munich Germany, "Physical properties and gap formation of light cured composites with and without softstart-polymerization" faxed copy dated May 30, 1996 (27 pages).
	K.J. Reinhardt and J. Vahl, "Uncertainties in the Testing of Photopolymers" 11 pages.
	A.J. Fellzer, L.H. Dooren, A.J. de Gee, and C.L. Davidson, "Influence of light intensity on polymerization shrinkage and integrity of restoration cavity interface", Eur J. Oral Sci. 1995; 103: 322-326 (5 pages).
	A. Mehl, M. Sobota, R. Hickel, "Soft start polymerization of composites in class V cavities" (10 pages).
<i>RL</i>	Salih S. Davidson-Kaban, Carel L. Davidson, Albert J. Fellzer, Anton J. de Gee, Nejdet Erdilek, "The effect of curing light variations on bulk curing and wall to wall quality of two types and various shades of resin composites", Dent Mater 12:344-352, November, 1997 (9 pages)

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*R. Lin*

DATE CONSIDERED

*5/9/2005*

AUG 06 2002

Sheet 5 of 8

Form PTC-1449

## **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

Use several sheets if necessary.

Docket Number (Optional):

**Application Number**

03761.012 / 5061.8

10/072, 613

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Filing Date 02/05/02

Group Art Unit 2875

## **U.S. PATENT DOCUMENTS**

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## **OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

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## **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

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Docket Number (Optional)

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Filing Date 02/05/02

Group Art Unit 2875

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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	A. Mehl, M. Sobota, R. Hickel, "Softstartpolymerisation von Kompositen in Klasse V Kaviten", Dtsch Zahnarztl Z 52 (1997) in German (4 pages).
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AUG 9, 6 2002

Sheet 7 of 8

AUG 06 2002

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Applicant <b>Cao</b>		
Filing Date <b>02/05/02</b>	Group Art Unit <b>2875</b>	

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  - Exelite advertisement from Toesco (1 page)
  - Epilar Freelite advertisement from ESPE (1 page)
  - Centrix The Catalog for the Dental Professional showing Versalux LED curing light (1 page)
  - Introducing the Apolloc e light wireless curing light advertisement for LED curing light from DMD (1 page)
  - LumaCure New Technology World's first patented solid state Dental Curing Light (1 page)
  - Starlight and Starlight p by Mectron Medical Technology (1 page)
  - ZAP Dual Curing – A curing light that can FAST CURE with SOFT CURE results? From Soft Core Texas, Inc. (1 page)
  - Polymerisation im Schongang Epilar Highlight from ESPE (6 pages)
  - Dentistry Today, January 1998, front page and page 70 showing Kreativ Inc. Kreativ Kuring Light (2 pages total)
  - Dental Products Report, October 1997, front page and page showing ESPE Pentamix and Epilar Highlight (2 pages total)
  - Dental Products Report, November 1997, front page and page showing Kreativ Microdentistry System (2 pages total)

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PTO-1449  
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Sheet 8 of 8

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)

Application Number

03761,012/5061.8

10/072,613

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Filing Date 02/05/02

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